



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,283	10/28/2003	Robert Richard Dykstra	9086M	3960
27752	7590	12/28/2007	EXAMINER	
THE PROCTER & GAMBLE COMPANY INTELLECTUAL PROPERTY DIVISION - WEST BLDG. WINTON HILL BUSINESS CENTER - BOX 412 6250 CENTER HILL AVENUE CINCINNATI, OH 45224			MOSS, KERI A	
		ART UNIT	PAPER NUMBER	
		1797		
		MAIL DATE	DELIVERY MODE	
		12/28/2007	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/695,283	DYKSTRA ET AL.
	Examiner	Art Unit
	Keri A. Moss	1797

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 25 September 2007.
- 2a) This action is **FINAL**.                                   2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1 and 6-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1 and 6-9 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 25, 2007 has been entered.

Claims 1 and 6-9 are pending.

### ***Response to Amendment***

2. The rejection under 35 USC 102 from the previous office action has been withdrawn and new grounds of rejection are established in light of applicants' amendments.
3. The rejection of claims 1,6-9,12-13 and 16 has been withdrawn in light of applicants' arguments and amendments.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. **Claim 1** is rejected under 35 U.S.C. 102(e) as being anticipated by Rollat et al. (US Pub 2003/0017125). Rollat teaches a non-encapsulated benefit agent delivery system comprising an aqueous dispersion [0017] of a water-insoluble polymer particle [0017] and a benefit agent [0053] wherein the polymer particle comprises at least one cationic monomer and one or more non-cationic monomers [0052]-[0053]. The polymer and the benefit agent are non-polymerically associated in a liquid matrix [0048]. The RF exhibited by the benefit agent is inherently at least about 1.5 as the benefit agent is one used by applicant in the instant invention. The polymer particle inherently has a first affinity for a low kovats index perfume raw material having a kovats index of from about 1000 to about 1400 and a second affinity for a high kovats index perfume raw material having a kovats index of greater than about 1700, the first affinity being at least about 2 times greater than the second affinity as measured by Affinity Test Protocol III, as the polymer particle is made as taught by applicants in the instantly claimed invention

#### ***Claim Rejections - 35 USC § 103***

6. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

7. **Claims 1 and 6-9** are rejected under 35 U.S.C. 103(a) as being unpatentable over Hood et al. (US Pub 2002/0058015 A1) in view of Rollat et al. (US Pub 23/0017125). Hood teaches a non-encapsulated benefit agent delivery system

comprising an aqueous dispersion (abstract) of a water-insoluble polymer particle [0027] and a benefit agent [0020] wherein the polymer particle comprises at least one cationic monomer and one or more non-cationic monomers [0027]. The polymer and the benefit agent are non-polymerically associated in a liquid matrix [0027]. The RF exhibited by the benefit agent is inherently at least about 1.5 as the benefit agent is one used by applicant in the instant invention. The polymer particle inherently has a first affinity for a low kovats index perfume raw material having a kovats index of from about 1000 to about 1400 and a second affinity for a high kovats index perfume raw material having a kovats index of greater than about 1700, the first affinity being at least about 2 times greater than the second affinity as measured by Affinity Test Protocol III, as the polymer particle is made as taught by applicants in the instantly claimed invention. The LKI perfume raw materials collectively provide a first Average Response Factor (ARF<sub>LKI</sub>) and the HKI perfume raw materials collectively provide a second Average Response Factor (ARF<sub>HKI</sub>); the perfume polymeric particle having a ratio of ARF<sub>LKI</sub>/ ARF<sub>HKI</sub> of at least about 1.2 (Examples 13 and 17).

Hood teaches a method for making a granular or liquid composition containing a non-encapsulated benefit agent delivery system comprising at least one cationic monomer and one or more non-cationic monomers to the matrix and adding a benefit agent selected from the group consisting of flavor ingredients and perfume raw materials and mixtures thereof to the matrix; wherein the polymer particle and benefit agent are added as separate, discrete components from different sources to form the

benefit delivery system and are not polymerically associated in said system (Examples 13 and 17).

Hood does not expressly teach that the dispersion additionally comprises a colloidal stabilizer.

Rollat et al teaches the use of colloidal silica in order to sterically stabilize polymer particles in a dispersion [0048]. This colloidal stabilizer limits the particles' coalescence and yields uniform particles, thereby preventing aggregation of the particles and enabling a more homogeneous dispersion [0048]. It would have been obvious for one of ordinary skill in the art to modify the benefit agent delivery system of Hood by adding a colloidal stabilizer as taught by Rollat in order to sterically stabilize the particles and prevent aggregation in order to ensure a more homogenous dispersion.

#### ***Response to Arguments***

8. Applicant's arguments, see Applicants' Amendment, filed September 25, 2007, with respect to the rejection(s) of claim(s) 1 and 6-9 under Hood and Gould have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Hood in view of Rollat.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Keri A. Moss whose telephone number is 571-272-8267. The examiner can normally be reached on 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on (571)272-1700. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Keri A. Moss  
Examiner  
Art Unit 1797

12/20/07

  
LYLE A. ALEXANDER  
PRIMARY EXAMINER